

Sub. B1
D1
said (I)
1. An improved gelatinous composition comprising: a crystal gel formed from (I) 100 parts by weight of one or more [high viscosity] linear, branched, star-shaped (radial), or multiarm block copolymers or mixtures of two or more such block copolymers, said block copolymers having one or more midblocks, said midblocks comprising one or more substantially crystalline polyethylene midblocks and with [nil,] one or more or without amorphous midblocks; optionally in combination with a selected amount of one or more of a (II) polymer or copolymer, and selected amounts of a plasticizing oil (III) sufficient to achieve gel rigidities of from less than about 2 gram Bloom to about 1,800 gram Bloom with the proviso that said block copolymers [having nil] without amorphous midblocks are combined with at least one block copolymer having at least one amorphous midblock, wherein said block midblocks of copolymers forming said crystal gel ^{complexes} having a selected amount of crystallinity sufficient to exhibit a melting endotherm of at least about 40°C as determined by DSC curve.

2. A gel according to claim 1 or 2, wherein said midblock copolymer segment having a crystallinity of at least about 20 mole % of (-CH₂-)₁₆ units forming said midblock of the block copolymer.

Sub. B2
3. A gel according to claim 1 or 2, wherein said gel exhibits in differential scanning calorimeter (DSC) a melting endotherm of about 28°C, 29°C, 30°C, 31°C, 32°C, 33°C, 34°C, 35°C, 36°C, 37°C, 38°C, 39°C, 40°C, 41°C, 42°C, 43°C, 44°C, 45°C, 46°C, 47°C, 48°C, 49°C, 50°C, 51°C, 52°C, 53°C, 54°C, 55°C, 56°C, 57°C, 58°C, 59°C, 60°C, 61°C, 62°C, 63°C, 64°C, 65°C, 66°C, 67°C, 68°C, 69°C, 70°C, 71°C, 72°C, 73°C, 74°C, 75°C, 76°C, 77°C, 78°C, 79°C, [or] 80°C, 90°C, 100°C, 110°C, or 120°C.

4. A gel according to claim 1 or 2, wherein said (I) block copolymer is formed in combination with a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-

ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene-styrene), maleated poly(styrene-ethylene-butylene-styrene), maleated poly(styrene-ethylene-butylene), maleated poly(styrene-ethylene-propylene)n, maleated poly(styrene-ethylene-butylene)n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, polyethyleneoxide, poly(dimethylphenylene oxide), copolymers of trifluoromethyl-4,5-difluoro-1,3-dioxole and tetrafluoroethylene, tetrafluoroethylene, polycarbonate, ethylene vinyl alcohol copolymer, polyamide or polydimethylsiloxane; wherein said selected copolymer is a linear, branched, radial, or multiarm copolymer.

Sub. 82/6
8. A gel according to claim [4] 1 or 8, wherein said gel is being denoted by G, is physically interlocked with a selected material M forming a composite of the combination $G_n M_n$, $G_n M_n G_n$, $M_n G_n M_n$, $M_n G_n G_n M_n$, $G_n M_n M_n G_n$, $G_n M_n G_n M_n G_n$, $M_n M_n M_n G_n$, $M_n M_n M_n G_n M_n M_n M_n$ or a permutation of one or more of said G_n with M_n ; wherein when n is a subscript of M, n is the same or different selected from the group consisting of paper, foam, plastic, fabric, metal, metal foil, concrete, wood, glass, glass fibers, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

92
9. A gel according to claim [6] 1 or 8, wherein said gel being formed into a gel hand exercising grip, a gel shape floss suitable for use as a dental floss, a gel crutch cushion, a gel cervical pillow, a gel bed wedge pillow, a gel leg rest, a gel neck cushion, a gel mattress, a gel bed pad, a gel elbow pad, a gel dermal pad, a gel wheelchair cushion, a gel helmet liner, a gel cold and hot pack, a gel exercise weight belt, a gel traction pad or belt, a gel cushion for splints, a gel sling, a gel brace for the hand, wrist, finger, forearm, knee, leg, clavicle, shoulder, foot, ankle, neck, back, rib, a gel sole for orthopedic shoe, a gel shaped toy article, a gel optical cladding for cushioning optical fibers from bending stresses, a gel swab tip, a gel fishing bate, a gel

92 seal against pressure, a gel thread, a gel strip, a gel yarn, a gel tape, a weaved gel cloth, a gel fabrics, a gel balloon for valvuloplasty of the mitral valve, a gel trointestinal balloon dilator, a gel esophageal balloon dilator, a gel dilating balloon catheter use in coronary angiogram, a gel condom, a gel toy balloon, a gel surgical and examination glove, a self sealing enclosures for splicing electrical and telephone cables and wires, a gel film, or a gel liner

Please add the following new claims:

Sub. B. 7.8 (new claim) 7.8 A gel according to claim 1 or 8, wherein said gel is being denoted by G, is physically interlocked with a selected material M forming a composite of the combination $G_n G_n$, $G_n G_n G_n$, $M_n G_n G_n$, $M_n M_n M_n G_n M_n$, $G_n M_n G_n G_n$, $G_n G_n M_n M_n$, $G_n G_n M_n G_n M_n G_n G_n$, $G_n M_n G_n M_n M_n$, $M_n G_n M_n G_n M_n G_n$, $G_n G_n M_n M_n G_n$, $G_n G_n M_n G_n M_n G_n$ or a permutation of one or more of said G_n with M_n ; wherein when n is a subscript of M, n is the same or different selected from the group consisting of paper, foam, plastic, fabric, metal, metal foil, concrete, wood, glass, glass fibers, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

93 Sub. B. (New claim) 8. An improved gelatinous composition comprising: a crystal gel formed from 100 parts by weight of one or more block copolymers or mixtures of two or more such block copolymers, said block copolymers having the formula poly(styrene-ethylene-ethylene-butylene-styrene), poly(styrene-ethyleneb₄₅-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene₂₅-styrene), poly(styrene-ethylene-ethylene-propylene-ethylene-s), poly(styrene-ethylene-propylene-ethylene-styrene), poly(styrene-ethylene-propylene-ethylene-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene)_n, poly(styrene-ethyleneb₄₅-ethylene-propylene)_n, poly(styrene-ethylene ethylene-butylene₂₅)_n, poly(styrene-ethylene-ethylene-propylene-ethylene)_n, poly(styrene-ethylene-propylene-ethylene)_n, poly(styrene-ethylene-propylene-ethylene-ethylene)_n, midblocks comprising one or more